ABSTRACT OF THE DISCLOSURE

Speech data containing waveform data is extracted from an existing speech waveform dictionary and input. A part used for speech synthesis in the waveform data is specified, and a starting point and an ending point for compression are set before and after the part. The waveform data is compressed with respect to a compression interval specified by the starting point and the ending point for compression. The compressed waveform data is expanded, and the compression interval, in which an expansion result of the compressed waveform data has highest quality, is determined as a compression/expansion position. The compressed waveform data, and the starting point and the ending point for compression are registered in a database as waveform data used for speech synthesis.

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